

List of Commenters in CC Docket No. 91-346

Ad Hoc Telecommunications Users Committee (Ad Hoc)
Allnet Communication Services, Inc. (Allnet)
American Telephone and Telegraph Company (AT&T)
Ameritech Operating Companies (Ameritech)
Bell Atlantic Telephone Companies (Bell Atlantic)
BellSouth Corporation (BellSouth)
Cincinnati Bell Telephone (Cincinnati Bell)
Ericsson Corporation (Ericsson)
General Services Administration (GSA)
Geonet
GTE Service Corporation (GTE)
Information Technology Association of America (ITAA)
Joint Filers (includes Bell Atlantic, BellSouth, GTE, Lincoln, Pacific Bell, Rochester, SNET, and US WEST)
MCI Telecommunications Corporation (MCI)
National Communications System (NCS)
Nextel Communications, Inc. (Nextel)
North American Telecommunications Association (NATA)
Northern Telecom Inc. (Northern Telecom)
NYNEX Telephone Companies (NYNEX)
Pacific Bell and Nevada Bell (Pacific Bell)
Pacific Telesis Corporation (Pactel)
Services-oriented Open Network Technologies, Inc. (SONetech)
Siemens Stromberg-Carlson (Siemens)
Southern New England Telephone Company (SNET)
Southwestern Bell Corporation (SWBT)
Sprint
Telecommunications Industry Association (TIA)
Teleport Communications Group (Teleport)
Teloquent Communications Corporation (Teloquent)
United and Central Telephone Companies (United and Central)
United States Telephone Association (USTA)
US WEST Communications, Inc. (US WEST)

APPENDIX B - Final Rules

AMENDMENTS TO THE CODE OF FEDERAL REGULATIONS

1. Part 1 of Title 47 of the Code of Federal Regulations (C.F.R.) is amended as follows:

PART 1 -- PRACTICE AND PROCEDURE

2. The table of contents of part 1 is revised to read as follows:

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Subpart J - Pole Attachment Complaint Procedures

1.1401	Purpose.
1.1402	Definitions.
1.1403	Duty to provide access; modifications; notice of removal, increase or modification; petition for temporary stay.
1.1404	Complaint.
1.1405	File numbers.
1.1406	Dismissal of complaints.
1.1407	Response and reply.
1.1408	Number of copies and form of pleadings.
1.1409	Commission consideration of the complaint.
1.1410	Remedies.
1.1411	Meetings and hearings.
1.1412	Enforcement.
1.1413	Forfeiture.
1.1414	State certification.
1.1415	Other orders.
1.1416	Imputation of rates; modification costs.

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3. The authority citation for part 1 is revised to read as follows:

AUTHORITY: 47 U.S.C. 151, 154, 251, 252, 303, and 309(j) unless otherwise noted.

4. Section 1.1401 is revised to read as follows:

§ 1.1401 Purpose.

The rules and regulations contained in subpart J of this part provide complaint and enforcement procedures to ensure that telecommunications carriers and cable system operators

have nondiscriminatory access to utility poles, ducts, conduits, and rights-of-way on rates, terms, and conditions that are just and reasonable.

5. Section 1.1402 is amended by revising paragraph (d) to read as follows:

§ 1.1402 Definitions.

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(d) The term complaint means a filing by a cable television system operator, a cable television system association, a utility, an association of utilities, a telecommunications carrier, or an association of telecommunications carriers alleging that it has been denied access to a utility pole, duct, conduit, or right-of-way in violation of this subpart and/or that a rate, term, or condition for a pole attachment is not just and reasonable.

* * * * *

6. Section 1.1403 is amended by retitling the section, by amending paragraphs (a) and (b) and redesignating them as paragraphs (c) and (d), respectively, and by adding new paragraphs (a) and (b) to read as follows:

§ 1.1403 Duty to provide access; modifications; notice of removal, increase or modification; petition for temporary stay.

(a) A utility shall provide a cable television system or any telecommunications carrier with nondiscriminatory access to any pole, duct, conduit, or right-of-way owned or controlled by it. Notwithstanding this obligation, a utility may deny a cable television system or any telecommunications carrier access to its poles, ducts, conduits, or rights-of-way, on a non-discriminatory basis where there is insufficient capacity or for reasons of safety, reliability and generally applicable engineering purposes.

(b) Requests for access to a utility's poles, ducts, conduits or rights-of-way by a telecommunications carrier or cable operator must be in writing. If access is not granted within 45 days of the request for access, the utility must confirm the denial in writing by the 45th day. The utility's denial of access shall be specific, shall include all relevant evidence and information supporting its denial, and shall explain how such evidence and information relate to a denial of access for reasons of lack of capacity, safety, reliability or engineering standards.

(c) A utility shall provide a cable television system operator or telecommunications carrier no less than 60 days written notice prior to: (1) removal of facilities or termination of any service to those facilities, such removal or termination arising out of a rate, term or condition of the cable television system operator's or telecommunications carrier's pole

attachment agreement, or (2) any increase in pole attachment rates; or (3) any modification of facilities other than routine maintenance or modification in response to emergencies.

(d) A cable television system operator or telecommunications carrier may file a "Petition for Temporary Stay" of the action contained in a notice received pursuant to paragraph (c) of this section within 15 days of receipt of such notice. Such submission shall not be considered unless it includes, in concise terms, the relief sought, the reasons for such relief, including a showing of irreparable harm and likely cessation of cable television service or telecommunication service, a copy of the notice, and certification of service as required by § 1.1404(b) of this subpart. The named respondent may file an answer within 7 days of the date the Petition for Temporary Stay was filed. No further filings under this section will be considered unless requested or authorized by the Commission and no extensions of time will be granted unless justified pursuant to § 1.46.

7. Section 1.1404 is amended by revising paragraphs (b) and (c) and by adding new paragraph (k) to read as follows:

§ 1.1404 Complaint.

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(b) The complaint shall be accompanied by a certification of service on the named respondent, and each of the Federal, State, and local governmental agencies that regulate any aspect of the services provided by the complainant or respondent.

(c) In a case where it is claimed that a rate, term, or condition is unjust or unreasonable, the complaint shall contain a statement that the State has not certified to the Commission that it regulates the rates, terms and conditions for pole attachments. The complaint shall include a statement that the utility is not owned by any railroad, any person who is cooperatively organized or any person owned by the Federal Government or any State.

* * * * *

(k) In a case where a cable television system operator or telecommunications carrier claims that it has been denied access to a pole, duct, conduit or right-of-way despite a request made pursuant to section 47 U.S.C. § 224(f), the complaint shall be filed within 30 days of such denial. In addition to meeting the other requirements of this section, the complaint shall include the data and information necessary to support the claim, including:

- (1) The reasons given for the denial of access to the utility's poles, ducts, conduits and rights-of-way;
- (2) The basis for the complainant's claim that the denial of access is improper;
- (3) The remedy sought by the complainant;

(4) A copy of the written request to the utility for access to its poles, ducts, conduits or rights-of-way;

(5) A copy of the utility's response to the written request including all information given by the utility to support its denial of access. A complaint alleging improper denial of access will not be dismissed if the complainant is unable to obtain a utility's written response, or if the utility denies the complainant any other information needed to establish a *prima facie* case.

8. Section 1.1409 is amended by revising paragraphs (b) and (d) to read as follows:

§ 1.1409 Commission consideration of the complaint.

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(b) The complainant shall have the burden of establishing a *prima facie* case that the rate, term, or condition is not just and reasonable or that the denial of access violates 47 U.S.C. § 224(f). If, however, a utility argues that the proposed rate is lower than its incremental costs, the utility has the burden of establishing that such rate is below the statutory minimum just and reasonable rate. In a case involving a denial of access, the utility shall have the burden of proving that the denial was lawful, once a *prima facie* case is established by the complainant.

* * * * *

(d) The Commission shall deny the complaint if it determines that the complainant has not established a *prima facie* case, or that the rate, term or condition is just and reasonable, or that the denial of access was lawful.

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9. Section 1.1416 is amended by retitling the section and by amending paragraph (b) to read as follows:

§ 1.1416 Imputation of rates; modification costs.

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(b) The costs of modifying a facility shall be borne by all parties that obtain access to the facility as a result of the modification and by all parties that directly benefit from the modification. Each party described in the preceding sentence shall share proportionately in the cost of the modification. A party with a preexisting attachment to the modified facility shall be deemed to directly benefit from a modification if, after receiving notification of such modification as provided in subpart J of this part, it adds to or modifies its attachment. Notwithstanding the foregoing, a party with a preexisting attachment to a pole, conduit, duct

or right-of-way shall not be required to bear any of the costs of rearranging or replacing its attachment if such rearrangement or replacement is necessitated solely as a result of an additional attachment or the modification of an existing attachment sought by another party. If a party makes an attachment to the facility after the completion of the modification, such party shall share proportionately in the cost of the modification if such modification rendered possible the added attachment.

10. Part 20 of Title 47 of the Code of Federal Regulations (C.F.R.) is amended as follows:

PART 20 -- COMMERCIAL MOBILE RADIO SERVICES

11. The authority citation for part 20 is revised to read as follows:

AUTHORITY: Secs. 4, 251-2, 303, and 332, 48 Stat. 1066, 1062, as amended; 47 U.S.C. 154, 251-4, 303, and 332 unless otherwise noted.

12. Section 20.11 is amended by adding paragraph (c) to read as follows:

§ 20.11 Interconnection to facilities of local exchange carriers.

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(c) Local exchange carriers and commercial mobile radio service providers shall also comply with applicable provisions of part 51 of this chapter.

13. Part 51 of Title 47 of the Code of Federal Regulations (C.F.R.) is added to read as follows:

PART 51 -- INTERCONNECTION

Subpart A - General information

Sec.

51.1 Basis and purpose.

51.3 Applicability to negotiated agreements.

51.5 Terms and definitions.

Subpart B - Telecommunications carriers

51.100 General duty.

Subpart C - Obligations of all local exchange carriers

- 51.201** **Resale.**
- 51.203** **Number portability.**
- 51.219** **Access to rights of way.**
- 51.221** **Reciprocal compensation.**
- 51.223** **Application of additional requirements.**

Subpart D - Additional obligations of incumbent local exchange carriers

- 51.301** **Duty to negotiate.**
- 51.303** **Preexisting agreements.**
- 51.305** **Interconnection.**
- 51.307** **Duty to provide access on an unbundled basis to network elements.**
- 51.309** **Use of unbundled network elements.**
- 51.311** **Nondiscriminatory access to unbundled network elements.**
- 51.313** **Just, reasonable and nondiscriminatory terms and conditions for the provision of unbundled network elements.**
- 51.315** **Combination of unbundled network elements.**
- 51.317** **Standards for identifying network elements to be made available.**
- 51.319** **Specific unbundling requirements.**
- 51.321** **Methods of obtaining interconnection and access to unbundled elements under section 251 of the Act.**
- 51.323** **Standards for physical collocation and virtual collocation.**

Subpart E - Exemptions, suspensions, and modifications of requirements of section 251 of the Act.

- 51.401** **State authority.**
- 51.403** **Carriers eligible for suspension or modification under section 251(f)(2) of the Act.**
- 51.405** **Burden of proof.**

Subpart F - Pricing of interconnection and unbundled elements

- 51.501** **Scope.**
- 51.503** **General pricing standard.**
- 51.505** **Forward-looking economic cost.**
- 51.507** **General rate structure standard.**
- 51.509** **Rate structure standards for specific elements.**
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- 51.515** **Application of access charges.**

Subpart G - Resale

- 51.601** Scope of resale rules.
- 51.603** Resale obligation of all local exchange carriers.
- 51.605** Additional obligations of incumbent local exchange carriers.
- 51.607** Wholesale pricing standard.
- 51.609** Determination of avoided retail costs.
- 51.611** Interim wholesale rates.
- 51.613** Restrictions on resale.
- 51.615** Withdrawal of services.
- 51.617** Assessment of end user common line charge on resellers.

Subpart H - Reciprocal compensation for transport and termination of local telecommunications traffic

- 51.701** Scope of transport and termination pricing rules.
- 51.703** Reciprocal compensation obligation of LECs.
- 51.705** Incumbent LECs' rates for transport and termination.
- 51.707** Default proxies for incumbent LECs' transport and termination rates.
- 51.709** Rate structure for transport and termination.
- 51.711** Symmetrical reciprocal compensation.
- 51.713** Bill-and-keep arrangements for reciprocal compensation.
- 51.715** Interim transport and termination pricing.
- 51.717** Renegotiation of existing non-reciprocal arrangements.

Subpart I - Procedures for implementation of section 252 of the Act.

- 51.801** Commission action upon a state commission's failure to act to carry out its responsibility under section 252 of the Act.
- 51.803** Procedures for Commission notification of a state commission's failure to act.
- 51.805** The Commission's authority over proceedings and matters.
- 51.807** Arbitration and mediation of agreements by the Commission pursuant to section 252(e)(5) of the Act.
- 51.809** Availability of provisions of agreements to other telecommunications carriers under section 252(i) of the Act.

AUTHORITY: Sections 1-5, 7, 201-05, 218, 225-27, 251-54, 271, 48 Stat. 1070, as amended, 1077; 47 U.S.C. 151-55, 157, 201-05, 218, 225-27, 251-54, 271, unless otherwise noted.

Subpart A - General Information.

§ 51.1 Basis and purpose.

(a) Basis. These rules are issued pursuant to the Communications Act of 1934, as amended.

(b) Purpose. The purpose of these rules is to implement sections 251 and 252 of the Communications Act of 1934, as amended, 47 U.S.C. 251 and 252.

§ 51.3 Applicability to negotiated agreements.

To the extent provided in section 252(e)(2)(A) of the Act, a state commission shall have authority to approve an interconnection agreement adopted by negotiation even if the terms of the agreement do not comply with the requirements of this part.

§ 51.5 Terms and definitions.

Terms used in this part have the following meanings:

Act. The Communications Act of 1934, as amended.

Advanced intelligent network. "Advanced Intelligent Network" is a telecommunications network architecture in which call processing, call routing, and network management are provided by means of centralized databases located at points in an incumbent local exchange carrier's network.

Arbitration, final offer. "Final offer arbitration" is a procedure under which each party submits a final offer concerning the issues subject to arbitration, and the arbitrator selects, without modification, one of the final offers by the parties to the arbitration or portions of both such offers. "Entire package final offer arbitration," is a procedure under which the arbitrator must select, without modification, the entire proposal submitted by one of the parties to the arbitration. "Issue-by-issue final offer arbitration," is a procedure under which the arbitrator must select, without modification, on an issue-by-issue basis, one of the proposals submitted by the parties to the arbitration.

Billing. "Billing" involves the provision of appropriate usage data by one telecommunications carrier to another to facilitate customer billing with attendant acknowledgements and status reports. It also involves the exchange of information between telecommunications carriers to process claims and adjustments.

Commercial Mobile Radio Service (CMRS). "CMRS" has the same meaning as that term is defined in § 20.3 of this chapter.

Commission. "Commission" refers to the Federal Communications Commission.

Directory assistance service. "Directory assistance service" includes, but is not limited to, making available to customers, upon request, information contained in directory listings.

Directory listings. "Directory listings" are any information: (1) identifying the listed names of subscribers of a telecommunications carrier and such subscriber's telephone numbers, addresses, or primary advertising classifications (as such classifications are assigned at the time of the establishment of such service), or any combination of such listed names, numbers, addresses or classifications; and (2) that the telecommunications carrier or an affiliate has published, caused to be published, or accepted for publication in any directory format.

Downstream database. A "downstream database" is a database owned and operated by an individual carrier for the purpose of providing number portability in conjunction with other functions and services.

Equipment necessary for interconnection or access to unbundled network elements. For purposes of section 251(c)(2) of the Act, the equipment used to interconnect with an incumbent local exchange carrier's network for the transmission and routing of telephone exchange service, exchange access service, or both. For the purposes of section 251(c)(3) of the Act, the equipment used to gain access to an incumbent local exchange carrier's unbundled network elements for the provision of a telecommunications service.

Incumbent Local Exchange Carrier (Incumbent LEC). With respect to an area, the local exchange carrier that: (1) on February 8, 1996, provided telephone exchange service in such area; and (2) (i) on February 8, 1996, was deemed to be a member of the exchange carrier association pursuant to § 69.601(b) of this chapter; or (ii) is a person or entity that, on or after February 8, 1996, became a successor or assign of a member described in clause (i) of this paragraph.

Interconnection. "Interconnection" is the linking of two networks for the mutual exchange of traffic. This term does not include the transport and termination of traffic.

Local Exchange Carrier (LEC). A "LEC" is any person that is engaged in the provision of telephone exchange service or exchange access. Such term does not include a person insofar as such person is engaged in the provision of a commercial mobile service under section 332(c) of the Act, except to the extent that the Commission finds that such service should be included in the definition of the such term.

Maintenance and repair. "Maintenance and repair" involves the exchange of information between telecommunications carriers where one initiates a request for maintenance or repair of existing products and services or unbundled network elements or combination thereof from the other with attendant acknowledgements and status reports.

Meet point. A "meet point" is a point of interconnection between two networks, designated by two telecommunications carriers, at which one carrier's responsibility for service begins and the other carrier's responsibility ends.

Meet point interconnection arrangement. A "meet point interconnection arrangement" is an arrangement by which each telecommunications carrier builds and maintains its network to a meet point.

Network element. A "network element" is a facility or equipment used in the provision of a telecommunications service. Such term also includes, but is not limited to, features, functions, and capabilities that are provided by means of such facility or equipment, including but not limited to, subscriber numbers, databases, signaling systems, and information sufficient for billing and collection or used in the transmission, routing, or other provision of a telecommunications service.

Operator services. "Operator services" are any automatic or live assistance to a consumer to arrange for billing or completion of a telephone call. Such services include, but are not limited to, busy line verification, emergency interrupt, and operator-assisted directory assistance services.

Physical collocation. "Physical collocation" is an offering by an incumbent LEC that enables a requesting telecommunications carrier to:

- (1) place its own equipment to be used for interconnection or access to unbundled network elements within or upon an incumbent LEC's premises;
- (2) use such equipment to interconnect with an incumbent LEC's network facilities for the transmission and routing of telephone exchange service, exchange access service, or both, or to gain access to an incumbent LEC's unbundled network elements for the provision of a telecommunications service;
- (3) enter those premises, subject to reasonable terms and conditions, to install, maintain, and repair equipment necessary for interconnection or access to unbundled elements; and
- (4) obtain reasonable amounts of space in an incumbent LEC's premises, as provided in this part, for the equipment necessary for interconnection or access to unbundled elements, allocated on a first-come, first-served basis.

Premises. "Premises" refers to an incumbent LEC's central offices and serving wire centers, as well as all buildings or similar structures owned or leased by an incumbent LEC that house its network facilities, and all structures that house incumbent LEC facilities on public rights-of-way, including but not limited to vaults containing loop concentrators or similar structures.

Pre-ordering and ordering. "Pre-ordering and ordering" includes the exchange of information between telecommunications carriers about current or proposed customer products and services or unbundled network elements or some combination thereof.

Provisioning. "Provisioning" involves the exchange of information between telecommunications carriers where one executes a request for a set of products and services or unbundled network elements or combination thereof from the other with attendant acknowledgements and status reports.

Rural telephone company. A "rural telephone company" is a LEC operating entity to the extent that such entity:

(1) provides common carrier service to any local exchange carrier study area that does not include either:

(i) any incorporated place of 10,000 inhabitants or more, or any part thereof, based on the most recently available population statistics of the Bureau of the Census; or

(ii) any territory, incorporated or unincorporated, included in an urbanized area, as defined by the Bureau of the Census as of August 10, 1993;

(2) provides telephone exchange service, including exchange access, to fewer than 50,000 access lines;

(3) provides telephone exchange service to any local exchange carrier study area with fewer than 100,000 access lines; or

(4) has less than 15 percent of its access lines in communities of more than 50,000 on February 8, 1996.

Service control point. A "service control point" is a computer database in the public switched network which contains information and call processing instructions needed to process and complete a telephone call.

Service creation environment. A "service creation environment" is a computer containing generic call processing software that can be programmed to create new advanced intelligent network call processing services.

Signal transfer point. A "signal transfer point" is a packet switch that acts as a routing hub for a signaling network and transfers messages between various points in and among signaling networks.

State commission. A "state commission" means the commission, board, or official (by whatever name designated) which under the laws of any State has regulatory jurisdiction with respect to intrastate operations of carriers. As referenced in this part, this term may include the Commission if it assumes the responsibility of the state commission, pursuant to section 252(e)(5) of the Act. This term shall also include any person or persons to whom the state commission has delegated its authority under section 251 and 252 of the Act.

State proceeding. A "state proceeding" is any administrative proceeding in which a state commission may approve or prescribe rates, terms, and conditions including, but not limited to, compulsory arbitration pursuant to section 252(b) of the Act, review of a Bell operating company statement of generally available terms pursuant section 252(f) of the Act,

and a proceeding to determine whether to approve or reject an agreement adopted by arbitration pursuant to section 252(e) of the Act.

Technically feasible. Interconnection, access to unbundled network elements, collocation, and other methods of achieving interconnection or access to unbundled network elements at a point in the network shall be deemed technically feasible absent technical or operational concerns that prevent the fulfillment of a request by a telecommunications carrier for such interconnection, access, or methods. A determination of technical feasibility does not include consideration of economic, accounting, billing, space, or site concerns, except that space and site concerns may be considered in circumstances where there is no possibility of expanding the space available. The fact that an incumbent LEC must modify its facilities or equipment to respond to such request does not determine whether satisfying such request is technically feasible. An incumbent LEC that claims that it cannot satisfy such request because of adverse network reliability impacts must prove to the state commission by clear and convincing evidence that such interconnection, access, or methods would result in specific and significant adverse network reliability impacts.

Telecommunications carrier. A "telecommunications carrier" is any provider of telecommunications services, except that such term does not include aggregators of telecommunications services (as defined in section 226 of the Act). A telecommunications carrier shall be treated as a common carrier under the Act only to the extent that it is engaged in providing telecommunications services, except that the Commission shall determine whether the provision of fixed and mobile satellite service shall be treated as common carriage. This definition includes CMRS providers, interexchange carriers (IXCs) and, to the extent they are acting as telecommunications carriers, companies that provide both telecommunications and information services. Private Mobile Radio Service providers are telecommunications carriers to the extent they provide domestic or international telecommunications for a fee directly to the public.

Virtual collocation. "Virtual collocation" is an offering by an incumbent LEC that enables a requesting telecommunications carrier to:

- (1) designate or specify equipment to be used for interconnection or access to unbundled network elements to be located within or upon an incumbent LEC's premises, and dedicated to such telecommunications carrier's use;
- (2) use such equipment to interconnect with an incumbent LEC's network facilities for the transmission and routing of telephone exchange service, exchange access service, or both, or for access to an incumbent LEC's unbundled network elements for the provision of a telecommunications service; and
- (3) electronically monitor and control its communications channels terminating in such equipment.

Subpart B - Telecommunications Carriers.

§ 51.100 General duty.

(a) Each telecommunications carrier has the duty:

(1) to interconnect directly or indirectly with the facilities and equipment of other telecommunications carriers; and

(2) to not install network features, functions, or capabilities that do not comply with the guidelines and standards as provided in the Commission's rules or section 255 or 256 of the Act.

(b) A telecommunication carrier that has interconnected or gained access under sections 251(a)(1), 251(c)(2), or 251(c)(3) of the Act, may offer information services through the same arrangement, so long as it is offering telecommunications services through the same arrangement as well.

Subpart C - Obligations of All Local Exchange Carriers.

§ 51.201 Resale.

The rules governing resale of services by an incumbent LEC are set forth in subpart G of this part.

§ 51.203 Number portability.

The rules governing number portability are set forth in part 52, subpart C of this chapter.

§ 51.219 Access to rights of way.

The rules governing access to rights of way are set forth in part 1, subpart J of this chapter.

§ 51.221 Reciprocal compensation.

The rules governing reciprocal compensation are set forth in subpart H of this part.

§ 51.223 Application of additional requirements.

(a) A state may not impose the obligations set forth in section 251(c) of the Act on a LEC that is not classified as an incumbent LEC as defined in section 251(h)(1) of the Act, unless the Commission issues an order declaring that such LECs or classes or categories of LECs should be treated as incumbent LECs.

(b) A state commission, or any other interested party, may request that the Commission issue an order declaring that a particular LEC be treated as an incumbent LEC, or that a class or category of LECs be treated as incumbent LECs, pursuant to section 251(h)(2) of the Act.

Subpart D - Additional Obligations of Incumbent Local Exchange Carriers.

§ 51.301 Duty to negotiate.

(a) An incumbent LEC shall negotiate in good faith the terms and conditions of agreements to fulfill the duties established by sections 251(b) and (c) of the Act.

(b) A requesting telecommunications carrier shall negotiate in good faith the terms and conditions of agreements described in paragraph (a) of this section.

(c) If proven to the Commission, an appropriate state commission, or a court of competent jurisdiction, the following actions or practices, among others, violate the duty to negotiate in good faith:

(1) demanding that another party sign a nondisclosure agreement that precludes such party from providing information requested by the Commission, or a state commission, or in support of a request for arbitration under section 252(b)(2)(B) of the Act;

(2) demanding that a requesting telecommunications carrier attest that an agreement complies with all provisions of the Act, federal regulations, or state law;

(3) refusing to include in an arbitrated or negotiated agreement a provision that permits the agreement to be amended in the future to take into account changes in Commission or state rules;

(4) conditioning negotiation on a requesting telecommunications carrier first obtaining state certifications;

(5) intentionally misleading or coercing another party into reaching an agreement that it would not otherwise have made;

(6) intentionally obstructing or delaying negotiations or resolutions of disputes;

(7) refusing throughout the negotiation process to designate a representative with authority to make binding representations, if such refusal significantly delays resolution of issues; and

(8) refusing to provide information necessary to reach agreement. Such refusal includes, but is not limited to:

(i) refusal by an incumbent LEC to furnish information about its network that a requesting telecommunications carrier reasonably requires to identify the network elements that it needs in order to serve a particular customer; and

(ii) refusal by a requesting telecommunications carrier to furnish cost data that would be relevant to setting rates if the parties were in arbitration.

§ 51.303 Preexisting agreements.

(a) All interconnection agreements between an incumbent LEC and a telecommunications carrier, including those negotiated before February 8, 1996, shall be submitted by the parties to the appropriate state commission for approval pursuant to section 252(e) of the Act.

(b) Interconnection agreements negotiated before February 8, 1996, between Class A carriers, as defined by § 32.11(a)(1) of this chapter, shall be filed by the parties with the appropriate state commission no later than June 30, 1997, or such earlier date as the state commission may require.

(c) If a state commission approves a preexisting agreement, it shall be made available to other parties in accordance with section 252(i) of the Act and § 51.809 of this part. A state commission may reject a preexisting agreement on the grounds that it is inconsistent with the public interest, or for other reasons set forth in section 252(e)(2)(A) of the Act.

§ 51.305 Interconnection.

(a) An incumbent LEC shall provide, for the facilities and equipment of any requesting telecommunications carrier, interconnection with the incumbent LEC's network:

(1) for the transmission and routing of telephone exchange traffic, exchange access traffic, or both;

(2) at any technically feasible point within the incumbent LEC's network including, at a minimum:

(i) the line-side of a local switch;

(ii) the trunk-side of a local switch;

(iii) the trunk interconnection points for a tandem switch;

(iv) central office cross-connect points;

(v) out-of-band signaling transfer points necessary to exchange traffic at these points and access call-related databases; and

(vi) the points of access to unbundled network elements as described in § 51.319 of this part;

(3) that is at a level of quality that is equal to that which the incumbent LEC provides itself, a subsidiary, an affiliate, or any other party, except as provided in paragraph (4) of this section. At a minimum, this requires an incumbent LEC to design interconnection facilities to meet the same technical criteria and service standards that are used within the incumbent LEC's network. This obligation is not limited to a consideration of service quality as perceived by end users, and includes, but is not limited to, service quality as perceived by the requesting telecommunications carrier;

(4) that, if so requested by a telecommunications carrier and to the extent technically feasible, is superior in quality to that provided by the incumbent LEC to itself or to any subsidiary, affiliate, or any other party to which the incumbent LEC provides interconnection. Nothing in this section prohibits an incumbent LEC from providing interconnection that is lesser in quality at the sole request of the requesting telecommunications carrier; and

(5) on terms and conditions that are just, reasonable, and nondiscriminatory in accordance with the terms and conditions of any agreement, the requirements of sections 251 and 252 of the Act, and the Commission's rules including, but not limited to, offering such terms and conditions equally to all requesting telecommunications carriers, and offering such terms and conditions that are no less favorable than the terms and conditions the incumbent LEC provides such interconnection to itself. This includes, but is not limited to, the time within which the incumbent LEC provides such interconnection.

(b) A carrier that requests interconnection solely for the purpose of originating or terminating its interexchange traffic on an incumbent LEC's network and not for the purpose of providing to others telephone exchange service, exchange access service, or both, is not entitled to receive interconnection pursuant to section 251(c)(2) of the Act.

(c) Previous successful interconnection at a particular point in a network, using particular facilities, constitutes substantial evidence that interconnection is technically feasible at that point, or at substantially similar points, in networks employing substantially similar facilities. Adherence to the same interface or protocol standards shall constitute evidence of the substantial similarity of network facilities.

(d) Previous successful interconnection at a particular point in a network at a particular level of quality constitutes substantial evidence that interconnection is technically feasible at that point, or at substantially similar points, at that level of quality.

(e) An incumbent LEC that denies a request for interconnection at a particular point must prove to the state commission that interconnection at that point is not technically feasible.

(f) If technically feasible, an incumbent LEC shall provide two-way trunking upon request.

§ 51.307 Duty to provide access on an unbundled basis to network elements.

(a) An incumbent LEC shall provide, to a requesting telecommunications carrier for the provision of a telecommunications service, nondiscriminatory access to network elements on an unbundled basis at any technically feasible point on terms and conditions that are just, reasonable, and nondiscriminatory in accordance with the terms and conditions of any agreement, the requirements of sections 251 and 252 of the Act, and the Commission's rules.

(b) The duty to provide access to unbundled network elements pursuant to section 251(c)(3) of the Act includes a duty to provide a connection to an unbundled network element independent of any duty to provide interconnection pursuant to this part and section 251(c)(2) of the Act.

(c) An incumbent LEC shall provide a requesting telecommunications carrier access to an unbundled network element, along with all of the unbundled network element's features, functions, and capabilities, in a manner that allows the requesting telecommunications carrier to provide any telecommunications service that can be offered by means of that network element.

(d) An incumbent LEC shall provide a requesting telecommunications carrier access to the facility or functionality of a requested network element separate from access to the facility or functionality of other network elements, for a separate charge.

§ 51.309 Use of unbundled network elements.

(a) An incumbent LEC shall not impose limitations, restrictions, or requirements on requests for, or the use of, unbundled network elements that would impair the ability of a requesting telecommunications carrier to offer a telecommunications service in the manner the requesting telecommunications carrier intends.

(b) A telecommunications carrier purchasing access to an unbundled network element may use such network element to provide exchange access services to itself in order to provide interexchange services to subscribers.

(c) A telecommunications carrier purchasing access to an unbundled network facility is entitled to exclusive use of that facility for a period of time, or when purchasing access to a feature, function, or capability of a facility, a telecommunications carrier is entitled to use of that feature, function, or capability for a period of time. A telecommunications carrier's purchase of access to an unbundled network element does not relieve the incumbent LEC of the duty to maintain, repair, or replace the unbundled network element.

§ 51.311 Nondiscriminatory access to unbundled network elements.

(a) The quality of an unbundled network element, as well as the quality of the access to the unbundled network element, that an incumbent LEC provides to a requesting telecommunications carrier shall be the same for all telecommunications carriers requesting access to that network element, except as provided in paragraph (c) of this section.

(b) Except as provided in paragraph (c) of this section, to the extent technically feasible, the quality of an unbundled network element, as well as the quality of the access to such unbundled network element, that an incumbent LEC provides to a requesting telecommunications carrier shall be at least equal in quality to that which the incumbent LEC provides to itself. If an incumbent LEC fails to meet this requirement, the incumbent LEC must prove to the state commission that it is not technically feasible to provide the requested unbundled network element, or to provide access to the requested unbundled network element, at a level of quality that is equal to that which the incumbent LEC provides to itself.

(c) To the extent technically feasible, the quality of an unbundled network element, as well as the quality of the access to such unbundled network element, that an incumbent LEC provides to a requesting telecommunications carrier shall, upon request, be superior in quality to that which the incumbent LEC provides to itself. If an incumbent LEC fails to meet this requirement, the incumbent LEC must prove to the state commission that it is not technically feasible to provide the requested unbundled network element or access to such unbundled network element at the requested level of quality that is superior to that which the incumbent LEC provides to itself. Nothing in this section prohibits an incumbent LEC from providing interconnection that is lesser in quality at the sole request of the requesting telecommunications carrier.

(d) Previous successful access to an unbundled element at a particular point in a network, using particular facilities, is substantial evidence that access is technically feasible at that point, or at substantially similar points, in networks employing substantially similar facilities. Adherence to the same interface or protocol standards shall constitute evidence of the substantial similarity of network facilities.

(e) Previous successful provision of access to an unbundled element at a particular point in a network at a particular level of quality is substantial evidence that access is technically feasible at that point, or at substantially similar points, at that level of quality.

§ 51.313 Just, reasonable and nondiscriminatory terms and conditions for the provision of unbundled network elements.

(a) The terms and conditions pursuant to which an incumbent LEC provides access to unbundled network elements shall be offered equally to all requesting telecommunications carriers.

(b) Where applicable, the terms and conditions pursuant to which an incumbent LEC offers to provide access to unbundled network elements, including but not limited to, the time within which the incumbent LEC provisions such access to unbundled network elements, shall, at a minimum, be no less favorable to the requesting carrier than the terms and conditions under which the incumbent LEC provides such elements to itself.

(c) An incumbent LEC must provide a carrier purchasing access to unbundled network elements with the pre-ordering, ordering, provisioning, maintenance and repair, and billing functions of the incumbent LEC's operations support systems.

§ 51.315 Combination of unbundled network elements.

(a) An incumbent LEC shall provide unbundled network elements in a manner that allows requesting telecommunications carriers to combine such network elements in order to provide a telecommunications service.

(b) Except upon request, an incumbent LEC shall not separate requested network elements that the incumbent LEC currently combines.

(c) Upon request, an incumbent LEC shall perform the functions necessary to combine unbundled network elements in any manner, even if those elements are not ordinarily combined in the incumbent LEC's network, provided that such combination is:

- (1) technically feasible; and
- (2) would not impair the ability of other carriers to obtain access to unbundled network elements or to interconnect with the incumbent LEC's network.

(d) Upon request, an incumbent LEC shall perform the functions necessary to combine unbundled network elements with elements possessed by the requesting telecommunications carrier in any technically feasible manner.

(e) An incumbent LEC that denies a request to combine elements pursuant to paragraph (c)(1) or paragraph (d) of this section must prove to the state commission that the requested combination is not technically feasible.

(f) An incumbent LEC that denies a request to combine elements pursuant to paragraph (c)(2) of this section must prove to the state commission that the requested combination would impair the ability of other carriers to obtain access to unbundled network elements or to interconnect with the incumbent LEC's network.

§ 51.317 Standards for identifying network elements to be made available.

(a) In determining what network elements should be made available for purposes of section 251(c)(3) of the Act beyond those identified in § 51.319 of this part, a state commission shall first determine whether it is technically feasible for the incumbent LEC to provide access to a network element on an unbundled basis.

(b) If the state commission determines that it is technically feasible for the incumbent LEC to provide access to the network element on an unbundled basis, the state commission may decline to require unbundling of the network element only if:

(1) the state commission concludes that:

(i) the network element is proprietary, or contains proprietary information that will be revealed if the network element is provided on an unbundled basis; and

(ii) a requesting telecommunications carrier could offer the same proposed telecommunications service through the use of other, nonproprietary unbundled network elements within the incumbent LEC's network; or

(2) the state commission concludes that the failure of the incumbent LEC to provide access to the network element would not decrease the quality of, and would not increase the financial or administrative cost of, the telecommunications service a requesting telecommunications carrier seeks to offer, compared with providing that service over other unbundled network elements in the incumbent LEC's network.

§ 51.319 Specific unbundling requirements.

An incumbent LEC shall provide nondiscriminatory access in accordance with § 51.311 of this part and section 251(c)(3) of the Act to the following network elements on an unbundled basis to any requesting telecommunications carrier for the provision of a telecommunications service:

(a) Local Loop. The local loop network element is defined as a transmission facility between a distribution frame (or its equivalent) in an incumbent LEC central office and an end user customer premises;

(b) Network Interface Device.

(1) The network interface device network element is defined as a cross-connect device used to connect loop facilities to inside wiring.

(2) An incumbent LEC shall permit a requesting telecommunications carrier to connect its own local loops to the inside wiring of premises through the incumbent LEC's network interface device. The requesting telecommunications carrier shall establish this

connection through an adjoining network interface device deployed by such telecommunications carrier;

(c) Switching Capability.

(1) Local Switching Capability.

(i) The local switching capability network element is defined as:

(A) line-side facilities, which include, but are not limited to, the connection between a loop termination at a main distribution frame and a switch line card;

(B) trunk-side facilities, which include, but are not limited to, the connection between trunk termination at a trunk-side cross-connect panel and a switch trunk card; and

(C) all features, functions, and capabilities of the switch, which include, but are not limited to:

(1) the basic switching function of connecting lines to lines, lines to trunks, trunks to lines, and trunks to trunks, as well as the same basic capabilities made available to the incumbent LEC's customers, such as a telephone number, white page listing, and dial tone; and

(2) all other features that the switch is capable of providing, including but not limited to custom calling, custom local area signaling service features, and Centrex, as well as any technically feasible customized routing functions provided by the switch.

(ii) An incumbent LEC shall transfer a customer's local service to a competing carrier within a time period no greater than the interval within which the incumbent LEC currently transfers end users between interexchange carriers, if such transfer requires only a change in the incumbent LEC's software;

(2) Tandem Switching Capability. The tandem switching capability network element is defined as:

(i) trunk-connect facilities, including but not limited to the connection between trunk termination at a cross-connect panel and a switch trunk card;

(ii) the basic switching function of connecting trunks to trunks; and

(iii) the functions that are centralized in tandem switches (as distinguished from separate end-office switches), including but not limited to call recording, the routing of calls to operator services, and signaling conversion features;

(d) Interoffice Transmission Facilities.

(1) Interoffice transmission facilities are defined as incumbent LEC transmission facilities dedicated to a particular customer or carrier, or shared by more than one customer or carrier, that provide telecommunications between wire centers owned by incumbent LECs or requesting telecommunications carriers, or between switches owned by incumbent LECs or requesting telecommunications carriers.

(2) The incumbent LEC shall:

(i) provide a requesting telecommunications carrier exclusive use of interoffice transmission facilities dedicated to a particular customer or carrier, or use of the features, functions, and capabilities of interoffice transmission facilities shared by more than one customer or carrier;

(ii) provide all technically feasible transmission facilities, features, functions, and capabilities that the requesting telecommunications carrier could use to provide telecommunications services;

(iii) permit, to the extent technically feasible, a requesting telecommunications carrier to connect such interoffice facilities to equipment designated by the requesting telecommunications carrier, including, but not limited to, the requesting telecommunications carrier's collocated facilities; and

(iv) permit, to the extent technically feasible, a requesting telecommunications carrier to obtain the functionality provided by the incumbent LEC's digital cross-connect systems in the same manner that the incumbent LEC provides such functionality to interexchange carriers;

(e) Signaling Networks and Call-Related Databases.

(1) Signaling Networks.

(i) Signaling networks include, but are not limited to, signaling links and signaling transfer points.

(ii) When a requesting telecommunications carrier purchases unbundled switching capability from an incumbent LEC, the incumbent LEC shall provide access to its signaling network from that switch in the same manner in which it obtains such access itself.

(iii) An incumbent LEC shall provide a requesting telecommunications carrier with its own switching facilities access to the incumbent LEC's signaling network for each of the requesting telecommunications carrier's switches. This connection shall be made

in the same manner as an incumbent LEC connects one of its own switches to a signal transfer point.

(iv) Under this paragraph, an incumbent LEC is not required to unbundle those signaling links that connect service control points to switching transfer points or to permit a requesting telecommunications carrier to link its own signal transfer points directly to the incumbent LEC's switch or call-related databases;

(2) Call-Related Databases.

(i) Call-related databases are defined as databases, other than operations support systems, that are used in signaling networks for billing and collection or the transmission, routing, or other provision of a telecommunications service.

(ii) For purposes of switch query and database response through a signaling network, an incumbent LEC shall provide access to its call-related databases, including, but not limited to, the Line Information Database, Toll Free Calling database, downstream number portability databases, and Advanced Intelligent Network databases, by means of physical access at the signaling transfer point linked to the unbundled database.

(iii) An incumbent LEC shall allow a requesting telecommunications carrier that has purchased an incumbent LEC's local switching capability to use the incumbent LEC's service control point element in the same manner, and via the same signaling links, as the incumbent LEC itself.

(iv) An incumbent LEC shall allow a requesting telecommunications carrier that has deployed its own switch, and has linked that switch to an incumbent LEC's signaling system, to gain access to the incumbent LEC's service control point in a manner that allows the requesting carrier to provide any call-related, database-supported services to customers served by the requesting telecommunications carrier's switch.

(v) A state commission shall consider whether mechanisms mediating access to an incumbent LEC's Advanced Intelligent Network service control points are necessary, and if so, whether they will adequately safeguard against intentional or unintentional misuse of the incumbent LEC's Advanced Intelligent Network facilities.

(vi) An incumbent LEC shall provide a requesting telecommunications carrier with access to call-related databases in a manner that complies with section 222 of the Act;

(3) Service Management Systems.

(A) A service management system is defined as a computer database or system not part of the public switched network that, among other things:

(1) interconnects to the service control point and sends to that service control point the information and call processing instructions needed for a network switch to process and complete a telephone call; and

(2) provides telecommunications carriers with the capability of entering and storing data regarding the processing and completing of a telephone call.

(B) An incumbent LEC shall provide a requesting telecommunications carrier with the information necessary to enter correctly, or format for entry, the information relevant for input into the particular incumbent LEC service management system.

(C) An incumbent LEC shall provide a requesting telecommunications carrier the same access to design, create, test, and deploy Advanced Intelligent Network-based services at the service management system, through a service creation environment, that the incumbent LEC provides to itself.

(D) A state commission shall consider whether mechanisms mediating access to Advanced Intelligent Network service management systems and service creation environments are necessary, and if so, whether they will adequately safeguard against intentional or unintentional misuse of the incumbent LEC's Advanced Intelligent Network facilities.

(E) An incumbent LEC shall provide a requesting telecommunications carrier access to service management systems in a manner that complies with section 222 of the Act;

(f) Operations Support Systems Functions.

(1) Operations support systems functions consist of pre-ordering, ordering, provisioning, maintenance and repair, and billing functions supported by an incumbent LEC's databases and information.

(2) An incumbent LEC that does not currently comply with this requirement shall do so as expeditiously as possible, but, in any event, no later than January 1, 1997; and

(g) Operator Services and Directory Assistance. An incumbent LEC shall provide access to operator service and directory assistance facilities where technically feasible.

§ 51.321 Methods of obtaining interconnection and access to unbundled elements under section 251 of the Act.

(a) Except as provided in paragraph (e) of this section, an incumbent LEC shall provide, on terms and conditions that are just, reasonable, and nondiscriminatory in accordance with the requirements of this part, any technically feasible method of obtaining